

Claims

What is claimed is:

1. A box assembly comprising:
 - a top flap;
 - a bottom flap;
 - at least four walls extending from said bottom flap to said top flap;
 - said walls forming an enclosed area between said bottom flap and said top flap;
 - at least one first product opening in said top flap configured to receive an object and secure said object from moving laterally, longitudinally, and vertically; and
 - a first handle integrated with said bottom flap and extending through said enclosed area and through said top flap.
2. The box assembly of claim 1, further comprising a handle aperture in said top flap.
3. The box assembly of claim 1, further comprising a second top flap with at least one second product opening in said second top flap configured to receive an object and secure said object from moving laterally, longitudinally, or vertically.
4. The box assembly of claim 3, further comprising a handle aperture on said top flap and said secondary top flap.
5. The box assembly of claim 1, further comprising a locking mechanism.
6. The box assembly of claim 5, wherein said locking mechanism comprises:
 - at least one tuck flap connected to said top flap; and
 - at least one tuck flap slot.
7. The box assembly of claim 1, further comprising a second bottom flap.
8. The box assembly of claim 7, further comprising a second handle integrated with said second bottom flap.

9. Cardboard divided into 16 quadrants separated by at least one of a crease and a cut, capable of being folded into a box, comprising:
- a first cut-out in quadrant (0,0);
 - a second cut-out in quadrant (1,0);
 - a third cut-out in quadrant (2,0);
 - a fourth cut-out in quadrant (3,0);
 - a first bottom flap in quadrant (0,1);
 - a fifth cut-out in quadrant (1,1);
 - a second bottom flap (2,1);
 - a sixth cut-out in quadrant (3,1);
 - a first front panel in quadrant (0,2);
 - a first side panel in quadrant (1,2);
 - a second front panel in quadrant (2,2);
 - a second side panel in quadrant (3,2);
 - at least one of a first top flap comprising at least one first product opening in quadrant (0,3) configured to receive an object and secure said object from moving laterally, longitudinally, or vertically and a seventh cut-out;
 - an eighth cut-out in quadrant (1,3);
 - at least one of a top flap comprising at least one second product opening in quadrant (2,3) configured to receive an object and secure said object from moving laterally, longitudinally, or vertically and a ninth cut-out; and
 - a tenth cut-out in quadrant (3,3).

10. The cardboard of claim 9, wherein said first cut-out is shaped as a handle.
11. The cardboard of claim 9, wherein said third cut-out is shaped as a handle remaining.

12. The cardboard of claim 9, wherein said fifth cut-out is shaped as a bottom minor flap.
13. The cardboard of claim 9, wherein said sixth cut-out is shaped as a bottom minor flap.
14. The cardboard of claim 9, wherein said eighth cut-out is shaped as a top minor flap.
15. The cardboard of claim 9, wherein said tenth cut-out is shaped as a top minor flap.